|   | Index of Claims        |           |             |                |              |          |                |         |                    |            |      |                       | A            | Application/Control No. |              |          |          |             |              |           |           |             |                      | Applicant(s)/Patent under Reexamination |            |        |           |             |             |             |           |          |           |           |   |
|---|------------------------|-----------|-------------|----------------|--------------|----------|----------------|---------|--------------------|------------|------|-----------------------|--------------|-------------------------|--------------|----------|----------|-------------|--------------|-----------|-----------|-------------|----------------------|---|------------|--------|-----------|-------------|-------------|-------------|-----------|----------|-----------|-----------|---|
|   |                        |           |             |                |              |          |                |         |                    |            |      | 1                     | 10/796,398   |                         |              |          |          |             |              |           |           |             | MCKINZIE, WILLIAM E. |   |            |        |           |             |             |             |           |          |           |           |   |
|   |                        |           |             |                |              |          |                |         |                    |            |      |                       | Examiner     |                         |              |          |          |             |              |           |           |             | Art Unit             |   |            |        |           |             |             |             |           |          |           |           |   |
|   |                        |           |             |                |              |          |                |         |                    |            |      |                       |              | Seungsook Ham           |              |          |          |             |              |           |           |             |                      | 2817                                    |            |        |           |             |             |             |           |          |           |           |   |
|   |                        |           | Г           | Г              |              |          | 7              |         | Г                  | Т          | _    |                       |              |                         |              | -11      |          | }           |              |           |           |             | _                    | 1                                       |            |        |           |             |             |             |           |          |           |           |   |
|   | √ Rejected — (1 nrough |           |             |                |              |          |                |         |                    |            | ance | h numeral)<br>ncelled |              |                         |              |          | N        | Non-Elected |              |           |           | A Appeal    |                      |   |            | ╝      |           |             |             |             |           |          |           |           |   |
|   |                        |           | =           | = Allowed      |              |          |                | +       |                    | Restricted |      |                       |              |                         |              | _] [     |          |             | Interference |           |           | ce          |                      | 0                                       | Objected   |        |           | đ           |             |             |           |          |           |           |   |
| 1 | Cla                    | im        | Т           |                | Date         |          |                |         |                    | Claim      |      |                       |              | Da                      |              |          | ate Ci   |             |              | Cli       | aim       | Date        |                      |   |            |        |           |             | 7           |             |           |          |           |           |   |
|   |                        |           | 5           | 2              | 2            | Ť        | Ť              | T       | T                  | Π          | 1    |                       |              | 2                       | 2            | જ        | Γ        |             | П            | T         | ٦         | ┨           | ı                    |   |            | П      | $\exists$ |             | Ĭ           | Ĭ           | ٦         | $\neg$   | Т         | ┫         |   |
|   | Final                  | Original  | 4/1/6       | 929/0          | 12/12/05     |          |                |         |                    |            |      | Final                 | Original     | 4/11/05                 | 6/29/05      | 12/12/05 |          |             |              | ŀ         |           |             |                      | Final                                   | Original   |        |           |             | 1           |             |           |          |           |           |   |
| 1 |                        | 1         | 1           | 1              |              |          | +              | +       | +                  | ┢          | 1    | $\vdash$              | 51           | 1                       |              | =        | H        | Н           | Н            | +         | +         | ┨           | ŀ                    |   | 101        | Н      | $\dashv$  | $\dashv$    | ┥           | $\dashv$    | ┥         | $\dashv$ | $\dashv$  | ᅥ         |   |
|   |                        | 3         | 1           | 1              | H            | $\dashv$ | $\exists$      | Ŧ       | $\bot$             |            |      |                       | 52<br>53     | =                       | 7            | N<br>=   | $\Box$   |             |              | $\dashv$  | 4         | $\exists$   | F                    |   | 102        | П      | $\exists$ | 1           | 7           | $\exists$   | $\exists$ | $\dashv$ | $\dashv$  | コ         |   |
|   |                        | 4         | I           | $\parallel$    | Ш            | $\dashv$ | $\pm$          | +       | 十                  | ╁          |      | <u> </u>              | 54           | +                       | 2            | =        | $\vdash$ | H           | Н            | $\dashv$  | +         | ᅱ           | H                    |   | 103<br>104 | Н      | +         | $\dashv$    | ┪           | $\dashv$    | ┪         | ᅱ        | ┪         | ᅥ         |   |
|   |                        | 5         | $\prod$     | H              | Ш            | $\dashv$ | $\exists$      | $\top$  | I                  |            | ]    |                       | 55           |                         |              | 3        |          |             |              | $\exists$ | $\Box$    | $\Box$      |                      |   | 105        | П      | $\Box$    | $\Box$      | $\Box$      | $\dashv$    | $\Box$    | $\Box$   | $\Box$    | $\Box$    |   |
|   |                        | 7         | ╫           | H              | ╫╢           | +        | +              | ╫       | ╫                  | ╁          | 1    | $\vdash$              | 56<br>69     | ╁╌                      | Н            | =        |          | $\vdash$    | Н            | $\dashv$  | $\dashv$  | $\dashv$    | H                    |   | 106<br>107 | Н      | +         | $\dashv$    | $\dashv$    | ┥           | $\dashv$  | ┥        | $\dashv$  | $\dashv$  |   |
|   |                        | 8         | $\parallel$ | П              | Ш            | $\Box$   | 1              |         | 工                  | L          | 1    |                       | 8            |                         |              | 1        |          |             |              | コ         |           | ╛           |                      |   | 108        | 口      |           |             | ⇉           |             |           |          |           | コ         |   |
|   |                        | 600       | #-          | H              | Ш            | $\dashv$ | +              | ╁       | ╀                  | ╀          | -    | -                     | (89)<br>(60) | -                       | <del> </del> | 2 2      | ┡        | H           | Н            | 4         | 4         | $\dashv$    | ŀ                    |   | 109        | Н      | $\dashv$  | 4           | 4           | $\dashv$    | $\dashv$  | -        | 4         | 4         |   |
|   |                        | 1         |             | H              | Ш            |          | 1              | $\top$  | +                  | t          | 1    |                       |              |                         |              | 1        |          |             | Н            | 7         | ┪         | ┪           | t                    | _                                       | 111        | Н      | 7         | 7           | ┪           | $\dashv$    | ┪         | $\dashv$ | $\dashv$  | ┪         |   |
|   |                        | 12        | L           | П              | П            | $\neg$   | $\bot$         | 1       | $oldsymbol{\perp}$ | L          | ]_   |                       | 62           | _                       | -            | v        |          |             |              | $\exists$ | $\Box$    | $\exists$   | -                    |   | 112        | П      | $\Box$    | $\Box$      | $\sqsupset$ | $\exists$   | $\Box$    | $\Box$   | $\exists$ | $\exists$ |   |
|   |                        | 13<br>14  | H           | ₩              | ₩            | $\dashv$ | +              | ┽       | ╁                  | ╁          | { `  |                       | 63<br>64     | ┝                       | -            |          | ⊢        | Н           | Н            | +         | ┥         | ┥           | }                    |   | 113<br>114 | Н      | $\dashv$  | ┥           | +           | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  | ┥         |   |
|   |                        | 15        | 1           | 灴              | Ш            |          | 土              |         |                    |            | 1    |                       | 65           |                         |              |          |          |             |              |           |           |             | Ì                    |   | 115        |        |           | コ           |             | $\exists$   | ╛         |          | ╛         | ╛         |   |
|   |                        | 16<br>17  | H           | ╬              | ╢            | $\dashv$ | +              | +       | +                  | ╀          | ł    | <u> </u>              | 66<br>67     | ╀                       | -            | H        | L        | $\vdash$    | Н            | -         | 4         | 4           | ŀ                    |   | 116<br>117 | Н      | $\dashv$  | 4           | 4           | 4           | 4         | 4        | 4         | 4         |   |
|   |                        | 18        | H           | ╫              | Н            | $\dashv$ | $\pm$          | +       | +                  |            |      | $\vdash$              | 68           |                         | $\vdash$     | H        | $\vdash$ | -           | H            | $\dashv$  | $\dashv$  | ┨           | H                    |   | 118        | Н      | $\dashv$  | $\dashv$    | $\dashv$    | +           | ┪         | $\dashv$ | $\dashv$  | $\dashv$  |   |
|   |                        | 19        | П           | П              |              | $\Box$   | $\blacksquare$ | 7       | 1                  |            | 1    |                       | 69           |                         |              |          |          |             |              |           | $\Box$    |             | Ì                    |   | 119        |        |           |             | $\Box$      |             |           |          | $\Box$    | $\Box$    |   |
|   | $\vdash$               | 20<br>21  | Н           | ₩              | Н            | $\dashv$ | +              | +       | ╀                  | +          | 1    | $\vdash$              | 70<br>71     |                         | $\vdash$     | H        | ┞        | H           | Н            | $\dashv$  | $\dashv$  | -           | H                    |   | 120<br>121 | Н      | $\dashv$  | $\dashv$    | -           | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$  |   |
|   |                        | 22        | Ц           | 廿              |              | ┪        | $\pm$          | 士       |                    | T          | 1    |                       | 72           |                         |              |          |          |             |              | $\exists$ |           | ╛           | t                    |   | 122        | Н      |           | 1           | $\exists$   | 1           | 7         |          | $\exists$ | $\dashv$  |   |
|   |                        | (Z)<br>Z4 | $\Box$      | П              |              |          | $\bot$         | $\perp$ | $\perp$            | Ļ          | 1    |                       | 73           | L                       |              | Г        |          |             | П            | $\Box$    | $\exists$ | $\exists$   |                      |   | 123        |        | $\Box$    | 4           | $\Box$      | $\Box$      | $\exists$ |          | $\exists$ | $\exists$ |   |
|   | $\vdash$               | 25        | ╀           | Н              | Н            | $\dashv$ | +              | ╅       | ╫                  | ╁          | 1    | $\vdash$              | 74<br>75     | ┝                       | ┝            | ┝        | $\vdash$ | ┝           | Н            | $\dashv$  | _         | $\dashv$    | -                    |   | 124<br>125 | H      | Н         | ┥           | $\dashv$    | +           | -         | $\dashv$ | $\dashv$  | $\dashv$  |   |
|   |                        | 26        |             | П              | Ш            |          | 士              | 土       | 1                  |            | 1    |                       | 76           | 匚                       |              |          |          |             |              |           | ╛         | ゴ           | I                    |   | 126        |        |           | ゴ           |             |             |           |          |           |           |   |
|   | -                      | 27<br>28  | Н           | H              | $\mathbb{H}$ | $\dashv$ | $\dashv$       | +       | ╀                  | $\vdash$   | 1    | -                     | 77<br>78     | ┡                       | L            | L        | L        | L           | Н            | $\dashv$  | -         | 4           |                      |   | 127        | Н      | Н         | 4           | 4           | -           | 4         |          | 4         | $\dashv$  |   |
|   |                        | 29        | H           | H              | Ш            | $\dashv$ | 十              | +       | +                  | t          | 1    | $\vdash$              | 79           | ╁                       | -            | ┢        | H        | H           | H            | $\dashv$  | $\dashv$  | ┥           | -                    |   | 129        | Н      | $\dashv$  | ┪           | +           | +           | ┪         | $\dashv$ | +         | ᅱ         |   |
| ľ |                        |           | П           | П              | $\Pi$        | $\Box$   | $\exists$      | T       | I                  |            | 1    |                       | 80           |                         |              |          |          |             |              | $\Box$    |           |             |                      |   | 130        |        |           |             |             |             |           |          |           | $\Box$    |   |
|   |                        | 31        |             | H              |              | $\dashv$ | ╅              | +       | ╁                  | ╀          | -    | $\vdash$              | 81           | ┝                       | -            | ┝        | H        | ┝           | Н            | $\dashv$  | -         | $\dashv$    |                      |   | 131        | H      | $\dashv$  | -           | 4           | $\dashv$    | ┥         | $\dashv$ | 4         | ᅱ         |   |
|   |                        | 33        | П           | II             | Ш            |          | 士              | 士       | t                  |            | 1    |                       | 83           | T                       | T            |          | Н        |             | Н            | $\exists$ | ┪         | -           | ŀ                    |   | 133        | Н      |           | +           | 1           | +           | 1         | $\dashv$ | $\dashv$  | ㅓ         |   |
|   |                        | 34        | -           | $\blacksquare$ |              |          | コ              | Ŧ       | Ţ                  | F          | 1    |                       | 84           | L                       |              |          |          |             | П            |           | $\Box$    | $\exists$   |                      |   | 134        |        | $\Box$    | $\Box$      | $\Box$      | $\Box$      | $\Box$    |          |           |           |   |
|   |                        | 35<br>36  | ₩           | ++-            | HH           | $\dashv$ | +              | +       | +                  | ╀          | 1    | -                     | 85<br>86     | $\vdash$                | -            | ⊢        | $\vdash$ | -           | Н            | $\dashv$  | $\dashv$  | $\dashv$    | -                    | _                                       | 135<br>136 | Н      | $\dashv$  | $\dashv$    | $\dashv$    | +           | ᅱ         |          | $\dashv$  | $\dashv$  |   |
|   |                        | 37        | П           | Ľ              | Ш            |          | 1              | 土       | 1                  | 上          | 1    |                       | 87           | Ė                       |              |          |          |             |              |           | $\exists$ | ╛           | l                    |   | 137        |        |           |             |             |             |           |          |           | コ         |   |
|   | -                      | 38        | #           | N              |              | $\perp$  | +              | +       | ╀                  | ╀          |      | _                     | 88<br>89     | F                       | L            | L        | _        | _           | Н            | $\dashv$  | $\dashv$  | $\dashv$    | -                    |   | 138        | Н      | $\dashv$  | $\neg$      | _           | _           | $\dashv$  | $\Box$   |           | $\dashv$  |   |
|   |                        | 40        |             | i,             | H            | +        | $\dashv$       | ╅       | ╅                  | ╁          | 1    | -                     | 90           | ┢                       | $\vdash$     | ┢        | ┝        | ╁╌          | Н            | $\dashv$  | ┪         | $\dashv$    | -                    |   | 139        | Н      | $\dashv$  | ᅥ           | ┥           | ┪           | ┥         |          | -         | ᅱ         |   |
|   |                        | 41        | $\parallel$ | П              | П            | $\Box$   | $\exists$      | 工       | 1                  | 二          | 1    |                       | 91           |                         |              |          |          |             |              | $\Box$    | コ         | $\Box$      |                      |   | 141        |        |           | $\sqsupset$ | コ           | $\Box$      | コ         |          |           | コ         |   |
|   |                        | 42        | ╫           | H              | Н            | $\dashv$ | +              | ╅       | +                  | ╁          | 1    | $\vdash$              | 92<br>93     | $\vdash$                | $\vdash$     | $\vdash$ | $\vdash$ | -           | Н            | $\dashv$  |           | $\dashv$    | -                    |   | 142        | Н      | $\dashv$  | +           | 4           | +           | -         | $\dashv$ | $\dashv$  | $\dashv$  | • |
|   |                        | 44        | Щ           | Ц              | Ш            |          | 土              | 士       |                    |            |      |                       | 94           | 上                       |              |          |          |             | 口            |           | _         |             | t                    |   | 144        |        |           | $\exists$   | _           |             | ╛         |          |           |           |   |
|   |                        | 45<br>46  | ₩           | H              |              | 1        | 4              | $\perp$ | $\perp$            | $\vdash$   |      | -                     | 95           | F                       | -            | Ľ        | F        | Ĺ           | Ц            | $\Box$    | コ         | $\Box$      | ſ                    |   | 145        |        | Ц         | 耳           | 耳           | $\sqsupset$ | $\Box$    |          | Ц         | $\exists$ |   |
|   |                        | 47        | ╫           | H              | H            | $\dashv$ | +              | +       | +                  | +          | 1    | -                     | 98<br>97     | $\vdash$                | $\vdash$     | $\vdash$ | $\vdash$ | ┢           | H            | $\dashv$  | -         | $\dashv$    | ł                    |   | 146        | H      | $\dashv$  | 4           | +           | $\dashv$    | -         | $\dashv$ | $\dashv$  | $\dashv$  |   |
|   |                        | 48        | П           | П              | Ш            |          | 1              | 1       | T                  | Г          |      |                       | 98           |                         |              |          |          |             | 口            |           | コ         | $\sqsupset$ | I                    |   | 148        | $\Box$ | $\Box$    | コ           | $\Box$      | コ           |           |          |           | $\Box$    |   |
|   |                        | 49<br>50  | 1           | N              | N<br>=       | $\dashv$ | +              | +       | +                  | +          |      | -                     | 100          | ╁╴                      | ⊢            | $\vdash$ | -        | -           | Н            | +         | +         | $\dashv$    |                      |   | 149<br>150 | Н      | $\dashv$  | +           | -           | +           | -         | $\dashv$ | $\dashv$  | $\dashv$  |   |
|   | _                      | _         | _           | _              |              |          | _              |         |                    | _          | -    | _                     |              | _                       | _            | _        | _        | _           |              |           | _         |             |                      |   |            |        | _         | _           | 1           |             |           |          |           |           |   |